

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (cancelled).

Claim 4 (currently amended): A magnetic recording medium comprising a substrate; an underlying layer in which a large number of recesses of an extremely small size are uniformly demonstrated, said the underlying layer being formed on said the substrate, wherein the underlying layer is formed of tetraethoxysilane as a feedstock, and the underlying layer is a layer which is formed of silicon oxide and a mixture thereof and in which a large number of spherically-shaped voids of the same size are formed by removing spherically-shaped micelles which are self-arrayed in a face-centered cubic lattice configuration; and an amorphous magnetic film-or a non-magnetic film is formed on the surface of said underlying layer in which said recesses of the extremely small size are demonstrated.

Claim 5 (currently amended): The magnetic recording medium according to claim 4 wherein said the amorphous magnetic film or the non-magnetic film is layered on the recesses demonstrated in said underlying layer to form protuberances which are discrete with respect to one another.

Claim 6 (currently amended): The magnetic recording medium according to claim 4 wherein said the amorphous magnetic film or the non-magnetic film is layered on the entire surface of said underlying layer.

Claim 7 (cancelled).

Claim 8 (currently amended): The magnetic recording medium according to claim 7-4 wherein said underlying layer is a layer which is formed of silicon oxide and a mixture thereof and in which a large number of spherically-shaped voids of the same size, with the diameter of several nm to tens of nm, are formed uniformly to a face-centered cubic structure.

Claims 9-13 (cancelled).

Claim 14 (new): A magnetic recording medium comprising;
a substrate;

an underlying layer in which a large number of recesses of an extremely small size are uniformly demonstrated, the underlying layer being formed on the substrate, wherein the underlying layer is formed of tetraethoxysilane as a feedstock, and the underlying layer is a layer which is formed of F68 (EO₇₇-PO₂₉-EO₇₇) or F108 (EO₁₃₃-PO₅₀-EO₁₃₃) as a triblock copolymer and in which a large number of spherically-shaped voids of the same size are formed by removing spherically-shaped micelles which are self-arrayed in a face-centered cubic lattice configuration; and

amorphous magnetic films are formed on the surface of the underlying layer in which said recesses of the extremely small size are demonstrated, the amorphous magnetic films are layered independently from one another on the each recesses demonstrated in the underlying layer to form protuberances which are discrete with respect to one another.